

FIG.1 PRIOR ART

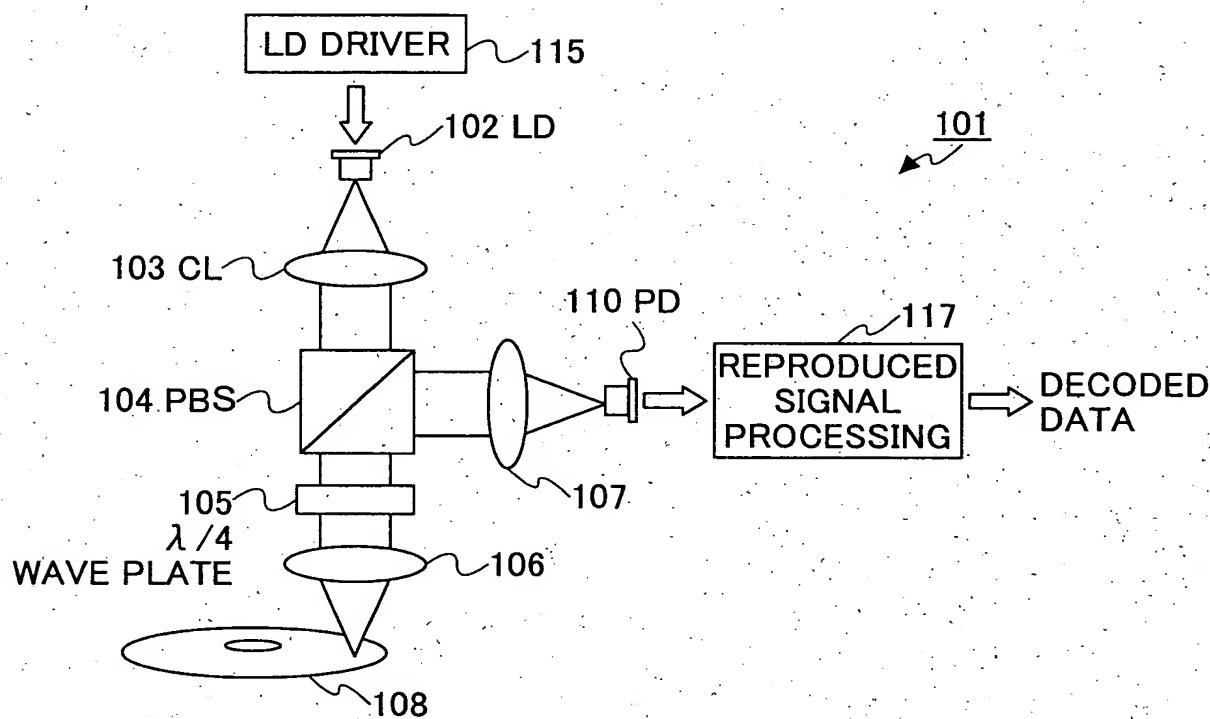


FIG.2 PRIOR ART

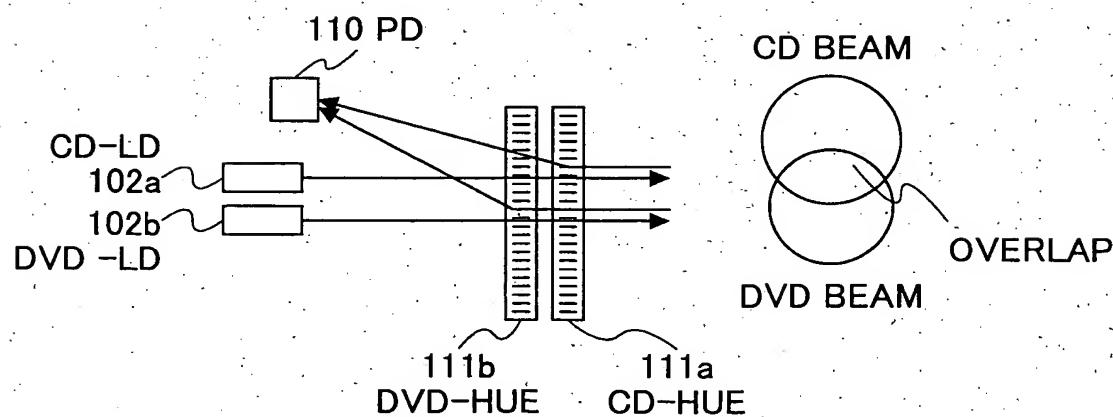


FIG.3 PRIOR ART

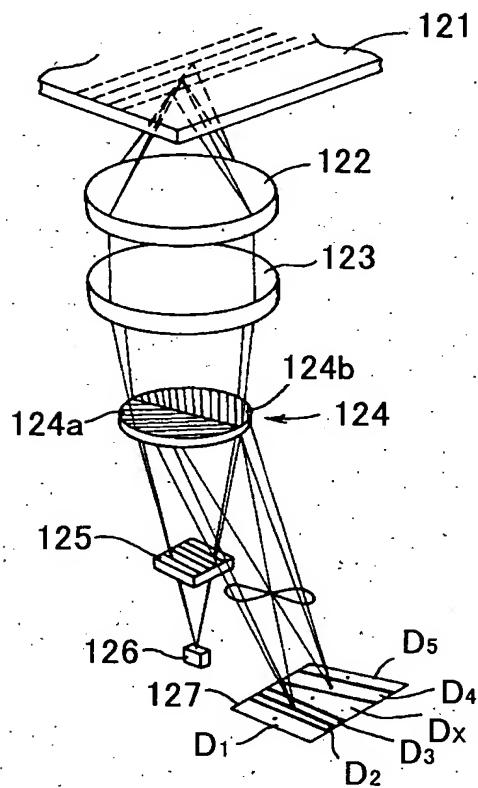
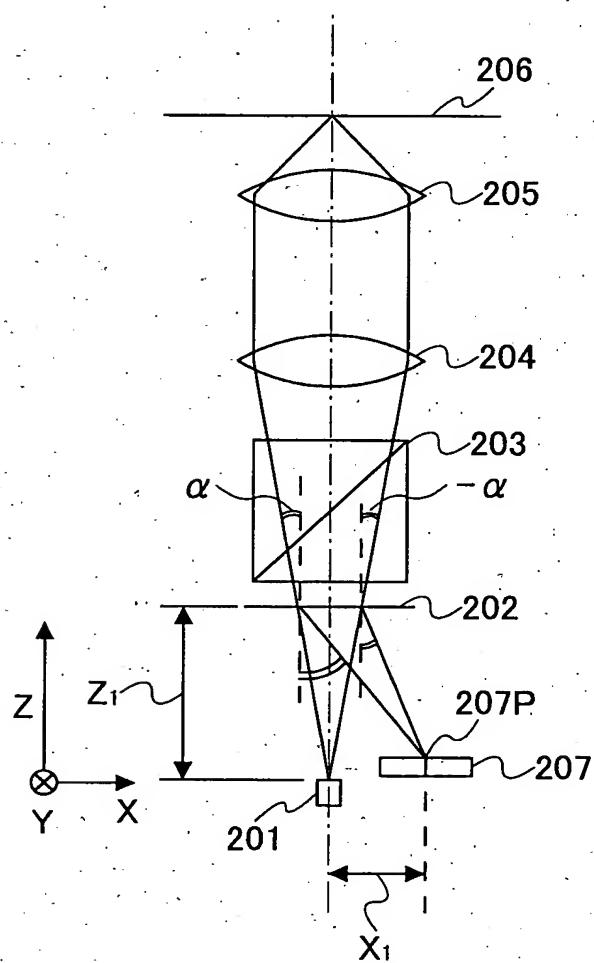


FIG.4 PRIOR ART



PRIOR ART

FIG.5A

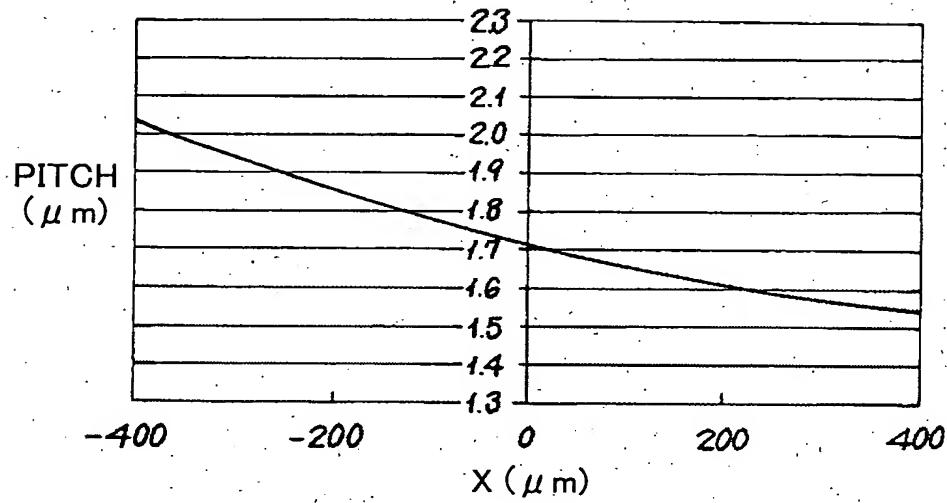


FIG.5B

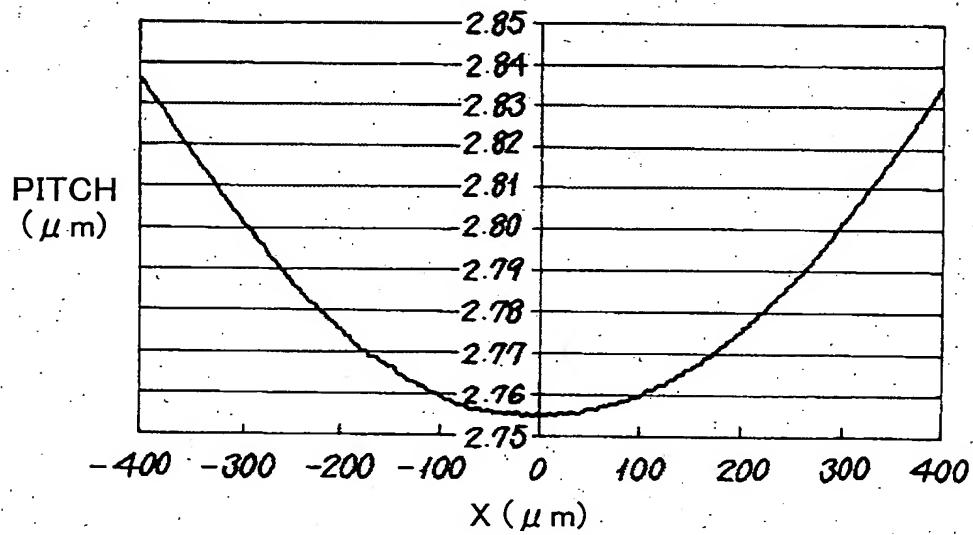


FIG.6 PRIOR ART

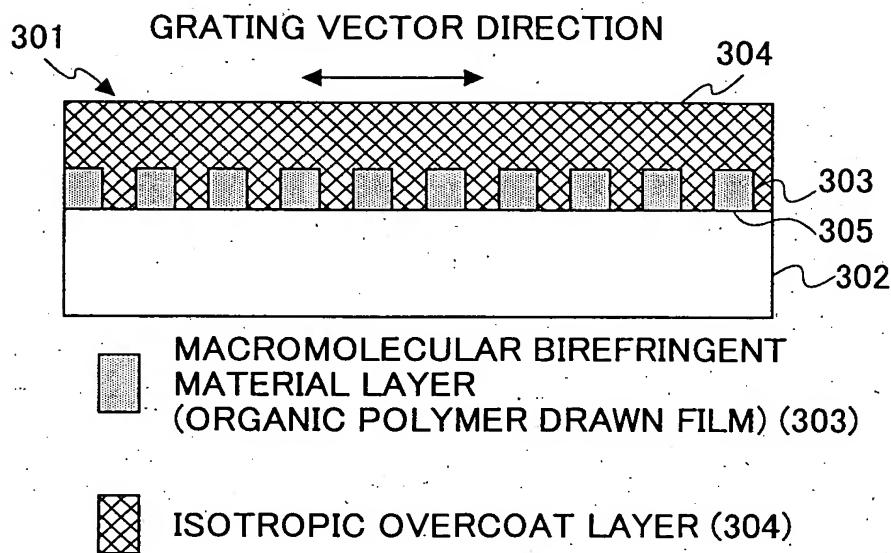


FIG.7

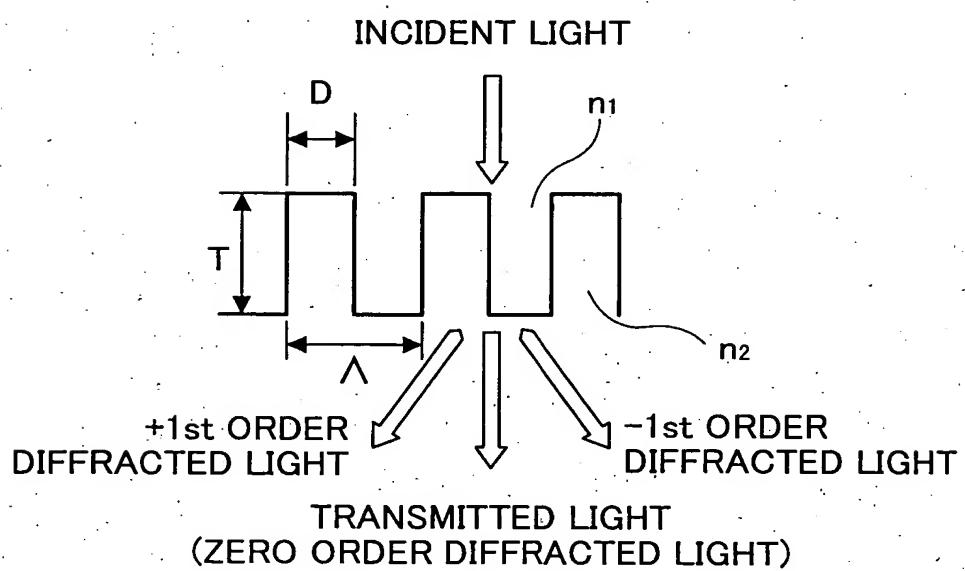


FIG.8

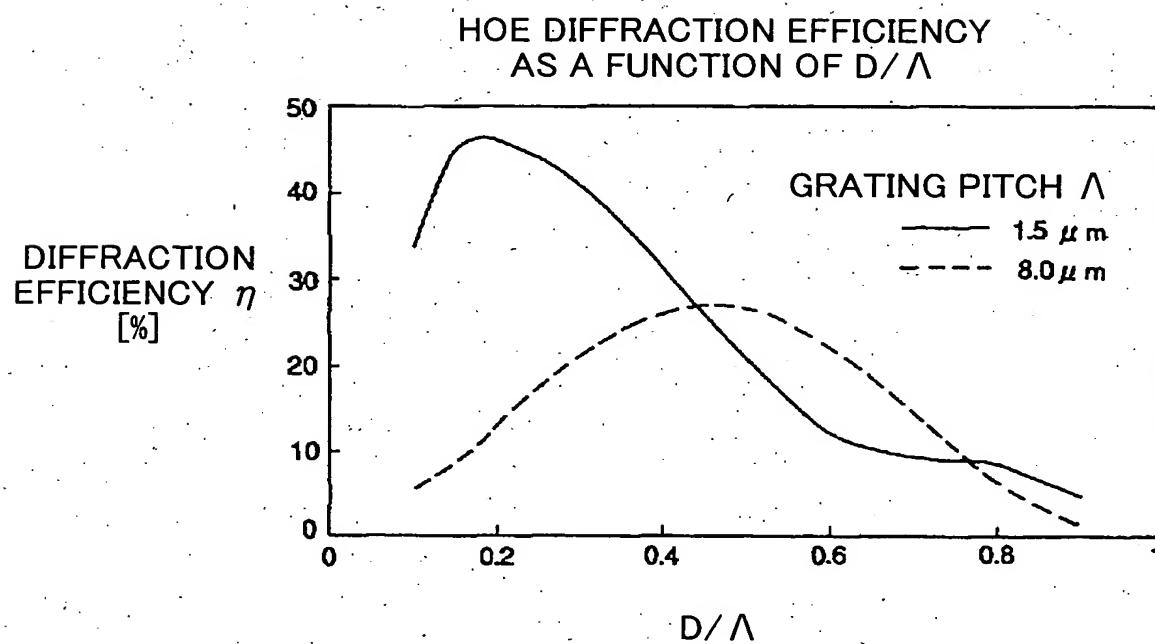


FIG.9A

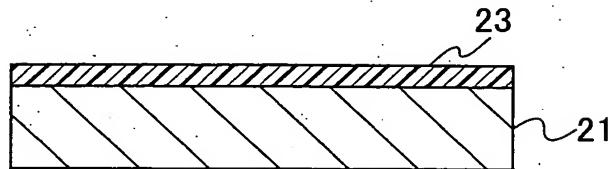


FIG.9B

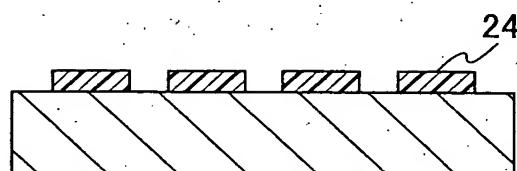


FIG.9C

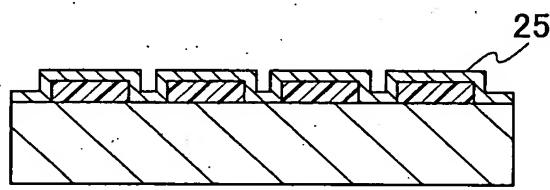


FIG.9D

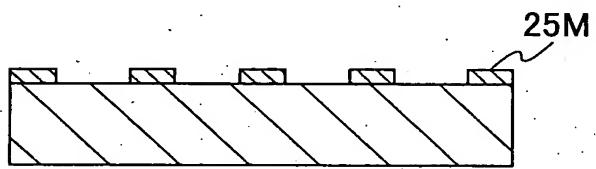


FIG.9E

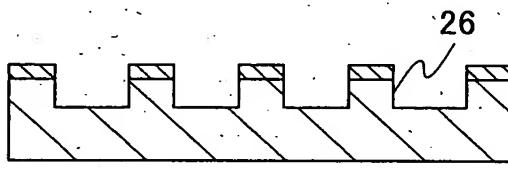


FIG.9F

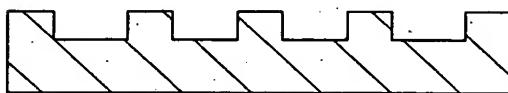


FIG.10

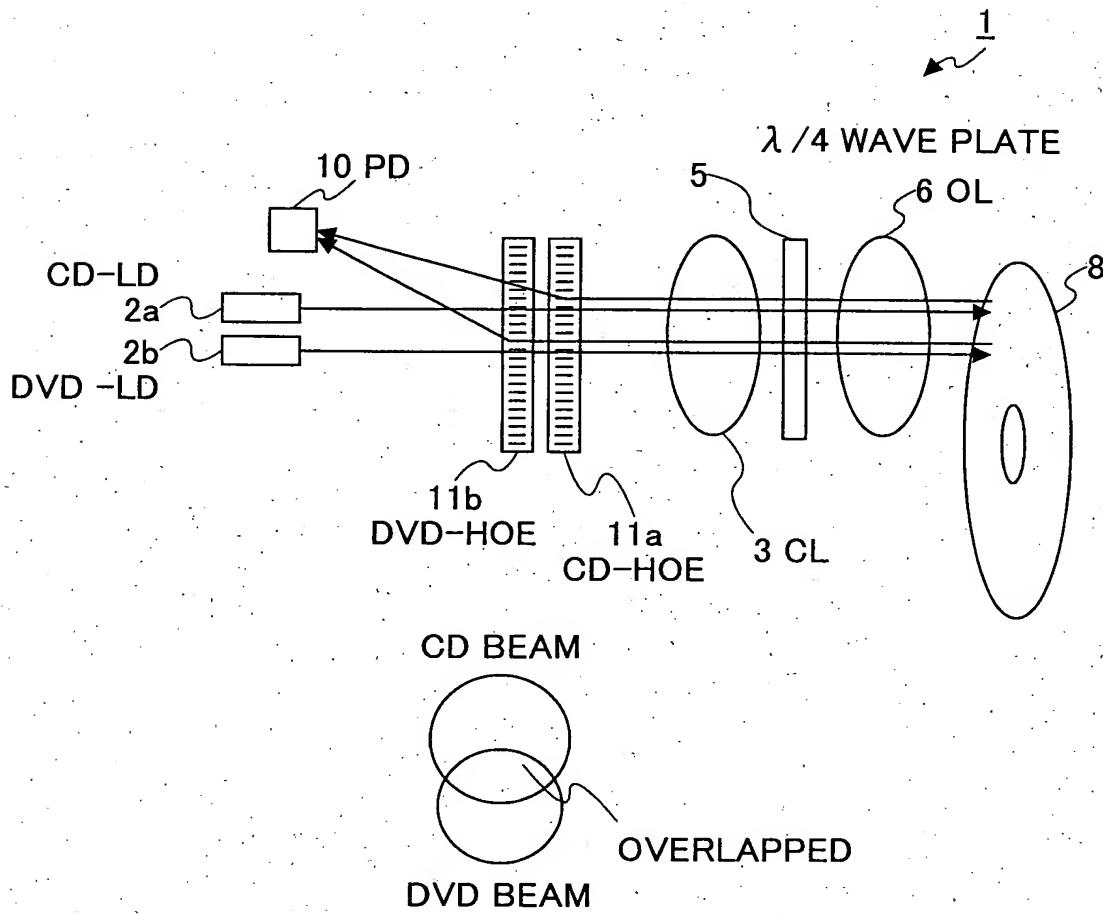


FIG.11

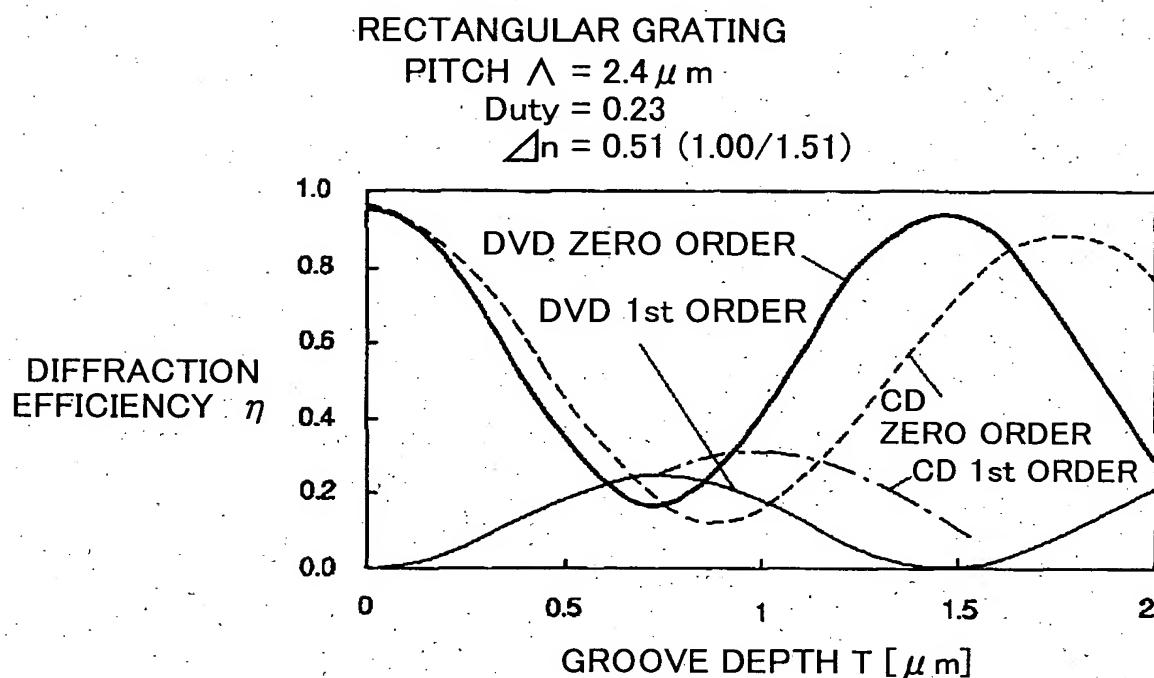


FIG.12

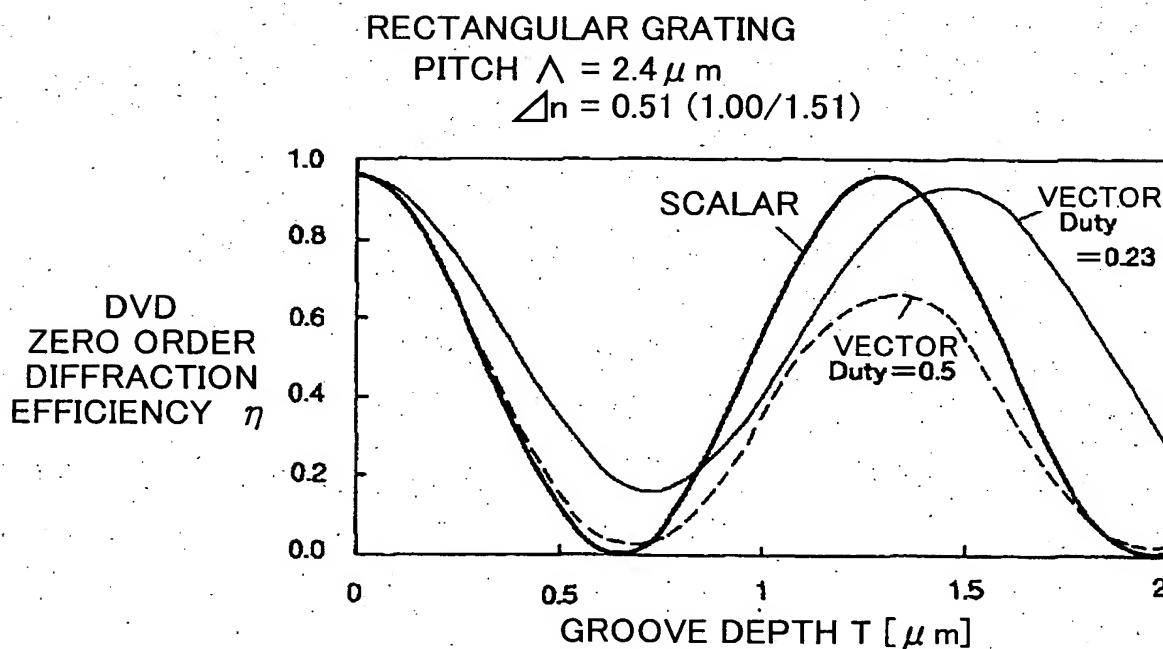


FIG.13A

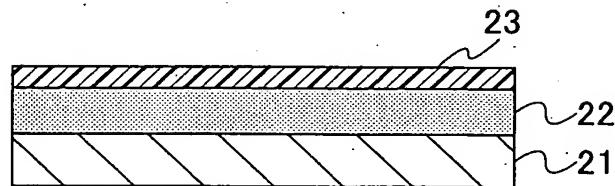


FIG.13B

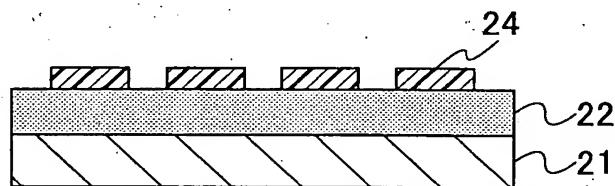


FIG.13C

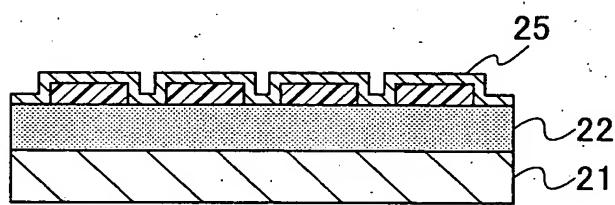


FIG.13D

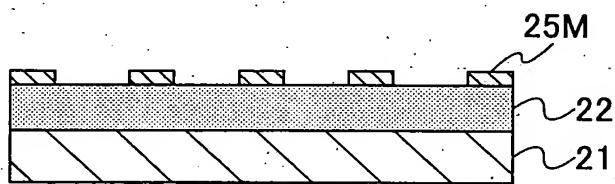


FIG.13E

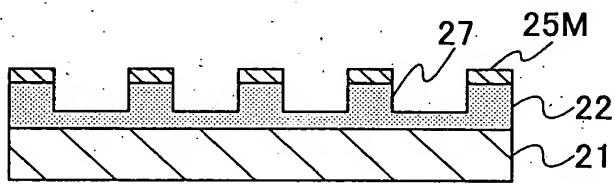


FIG.13F

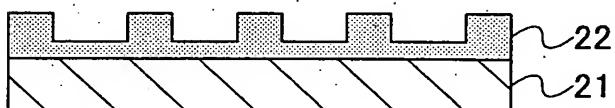


FIG.13G

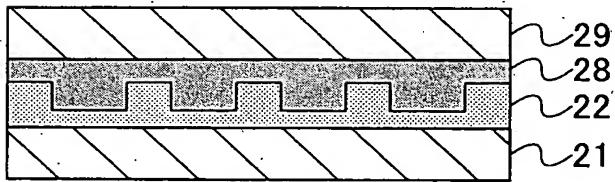


FIG. 14

RECTANGULAR GRATING

PITCH $\Lambda = 2.0 \mu\text{m}$

GROOVE DEPTH $T = 5.8 \mu\text{m}$

$D/\Lambda = 0.26$

$\Delta n = 0.2$

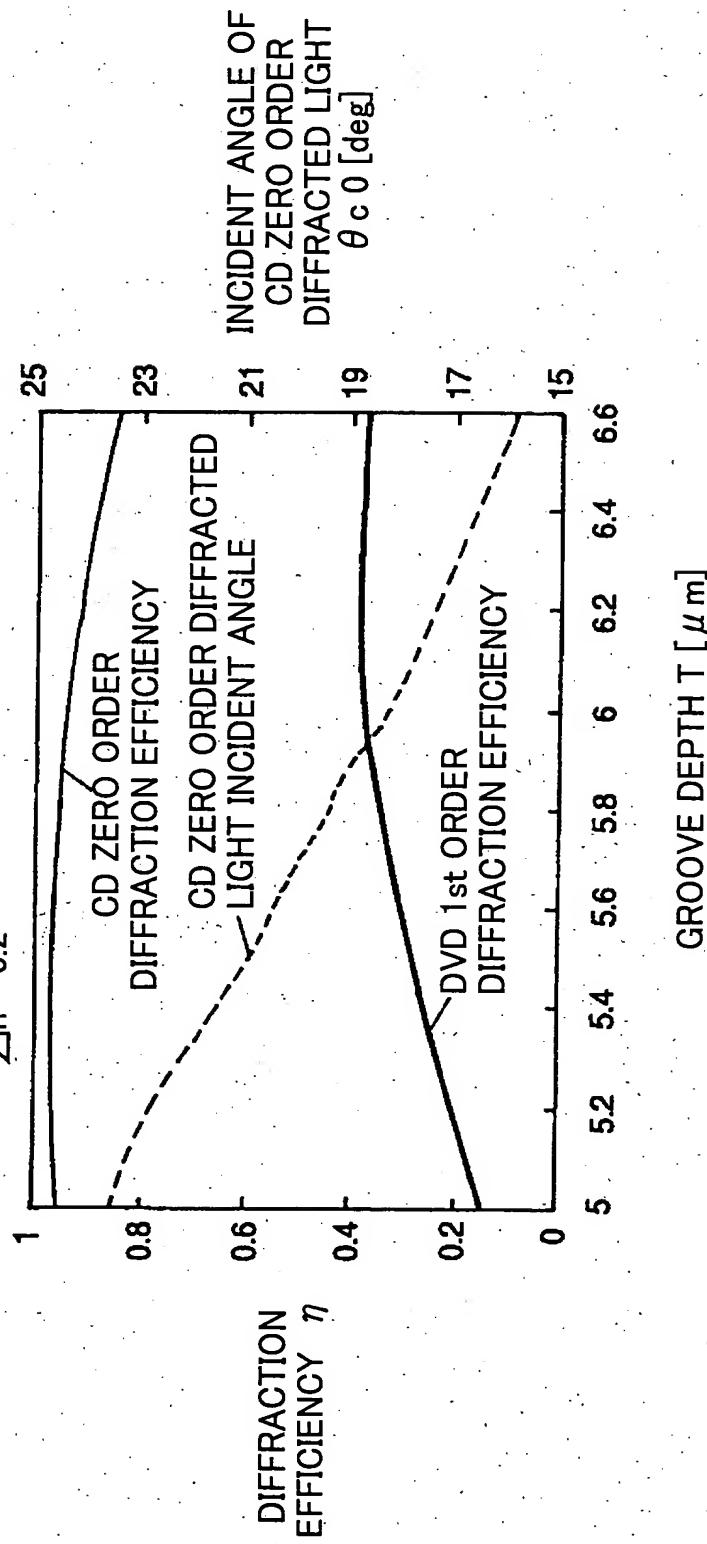


FIG.15

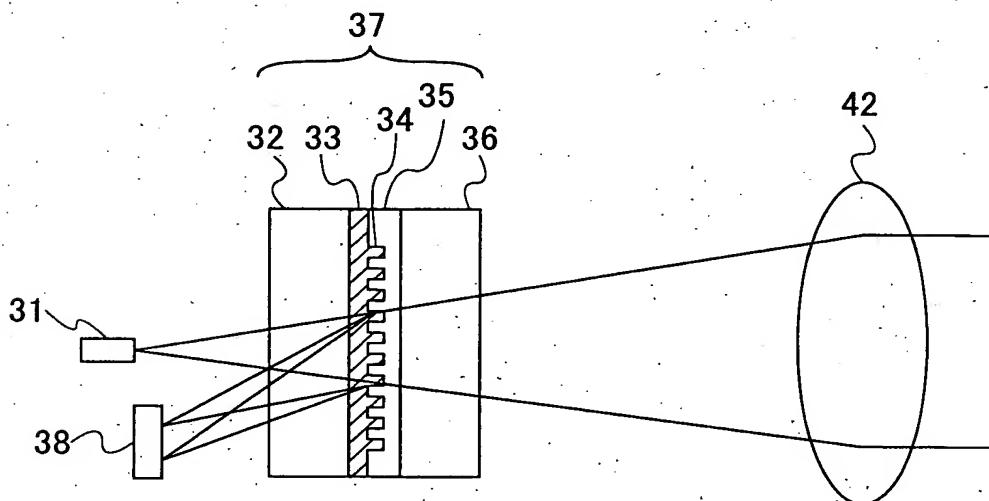


FIG.16

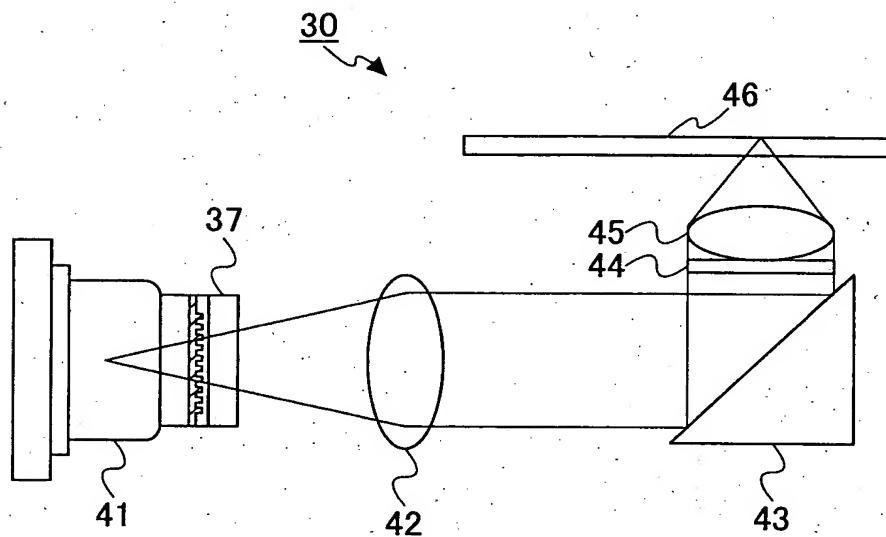


FIG.17A

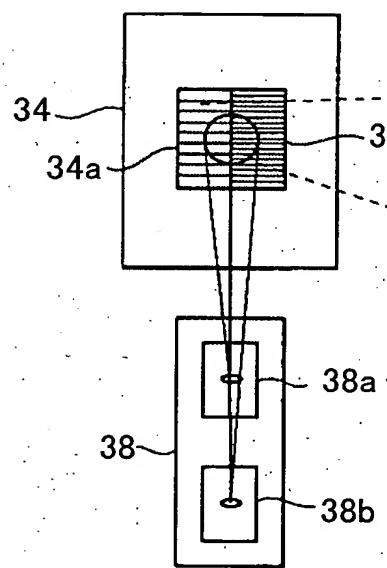
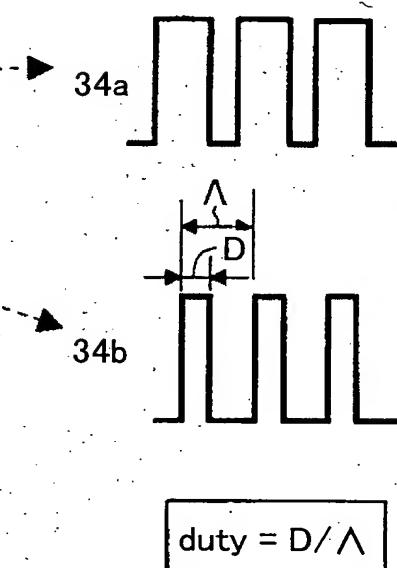


FIG.17B



$$\text{duty} = D/A$$

FIG.18

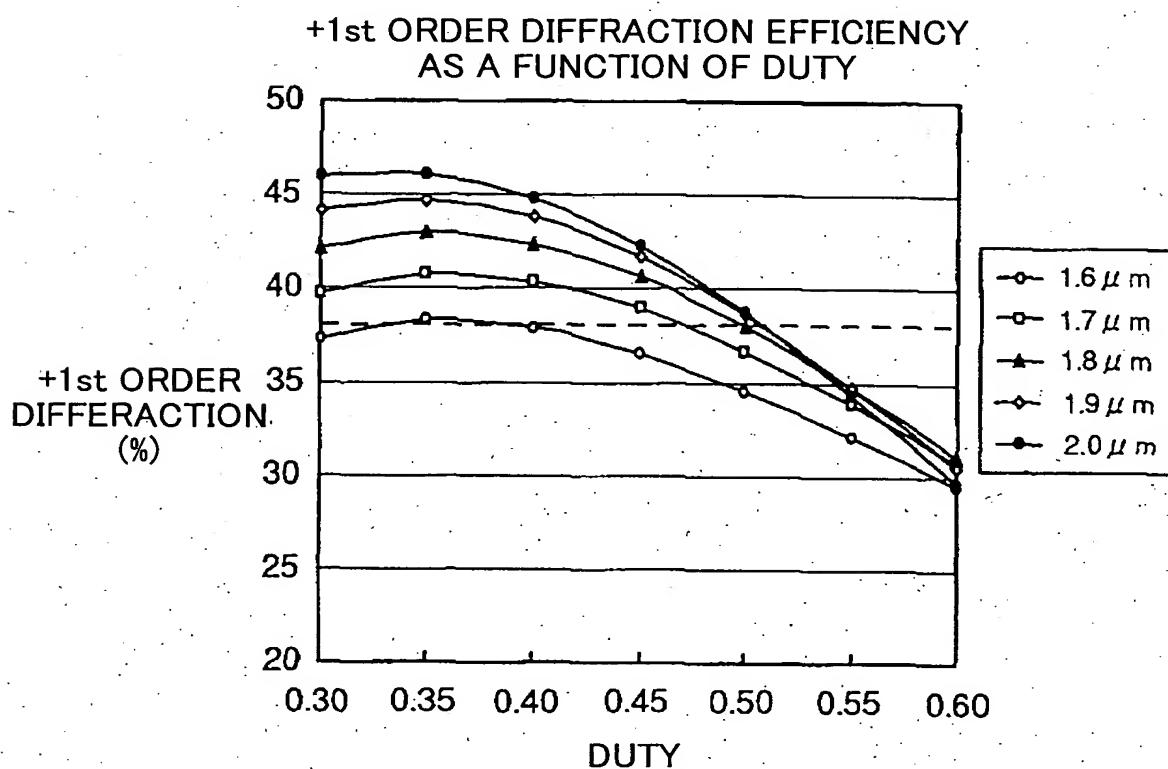


FIG.19A

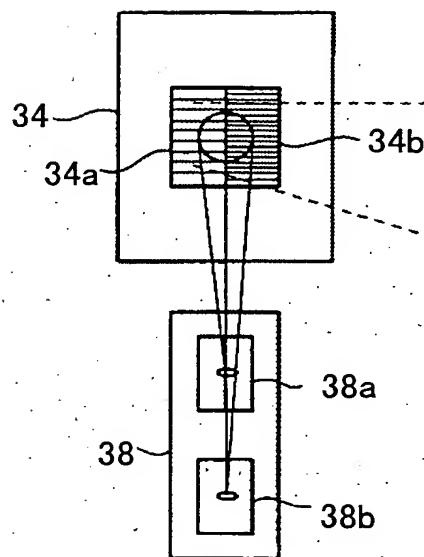
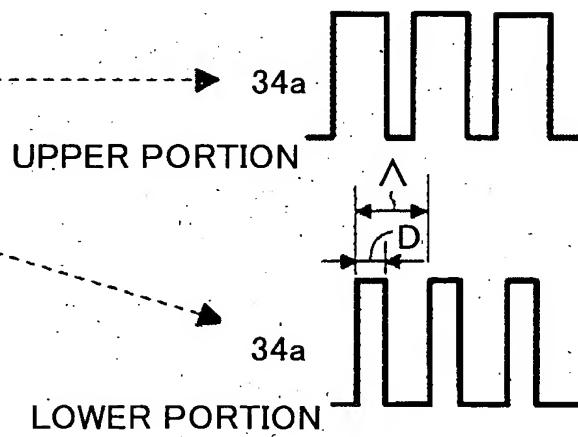


FIG.19B



$$duty = D / \Delta$$

FIG.20

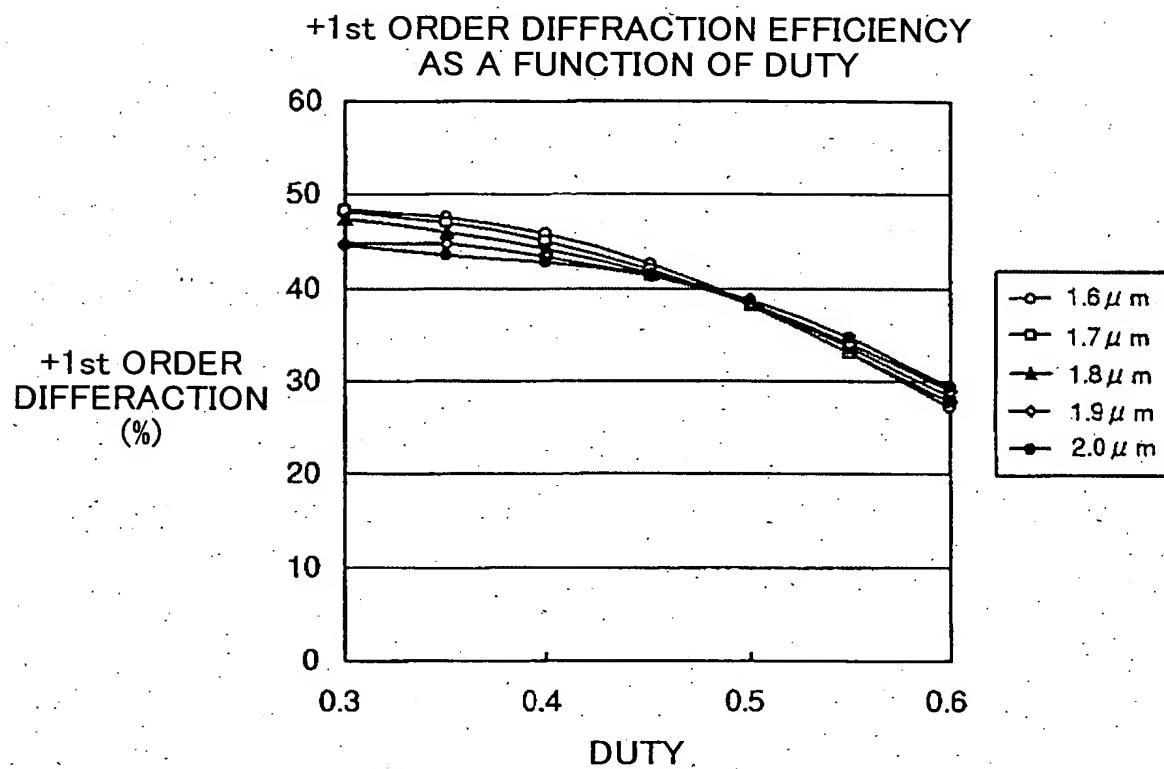


FIG.21A

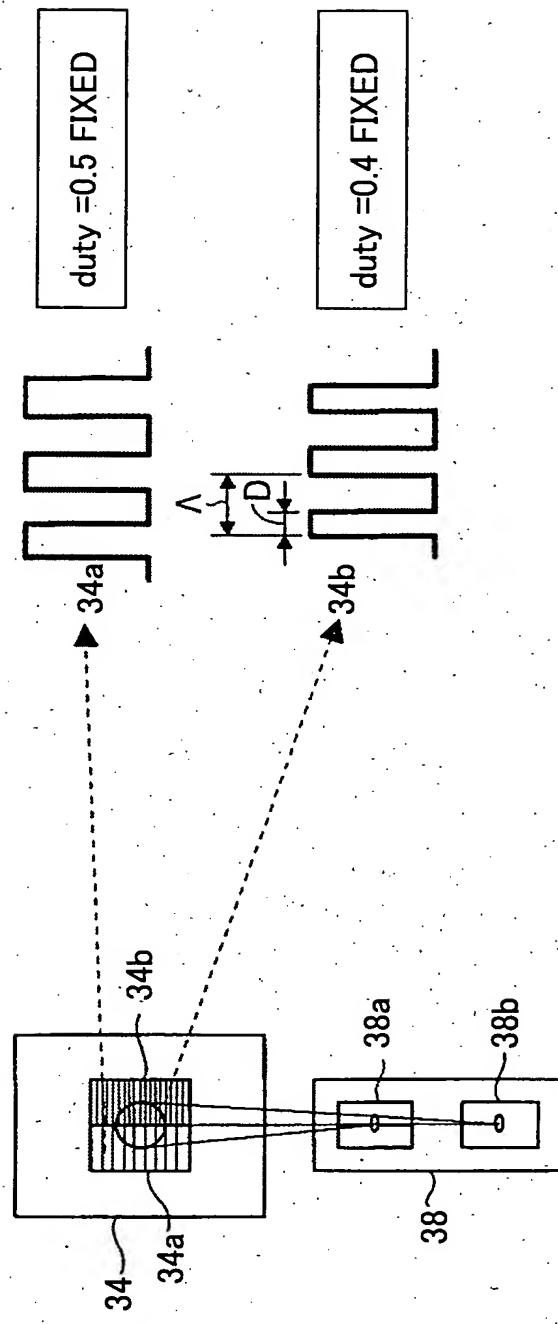


FIG.21B

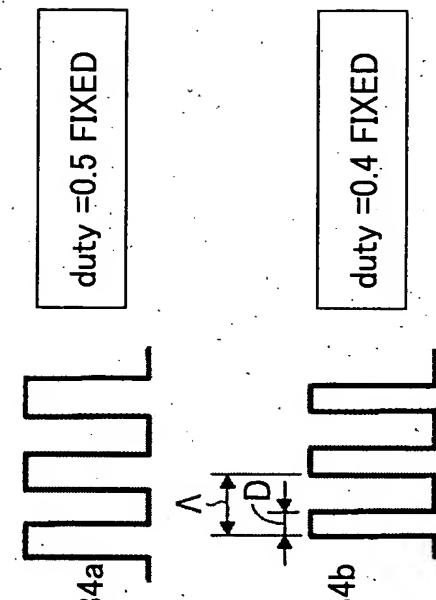


FIG.22

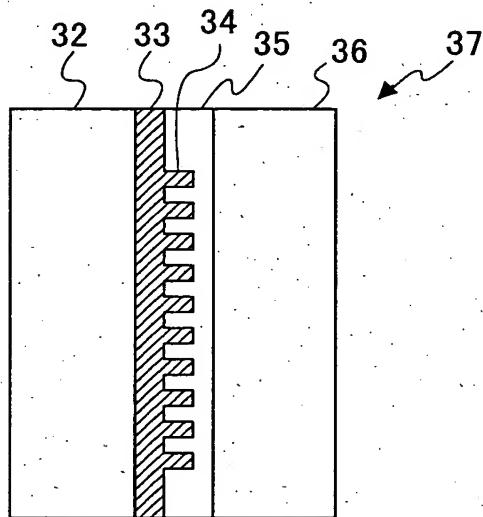


FIG.23

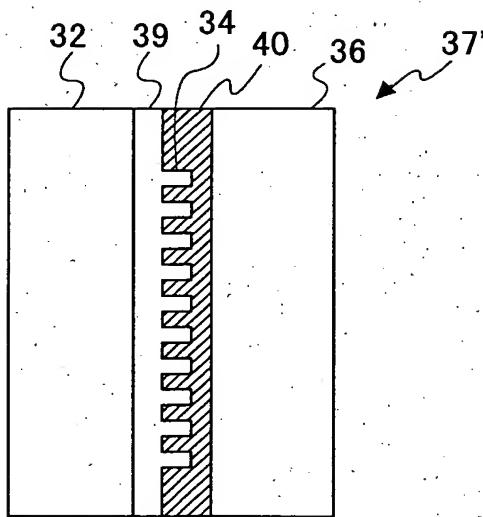


FIG.24

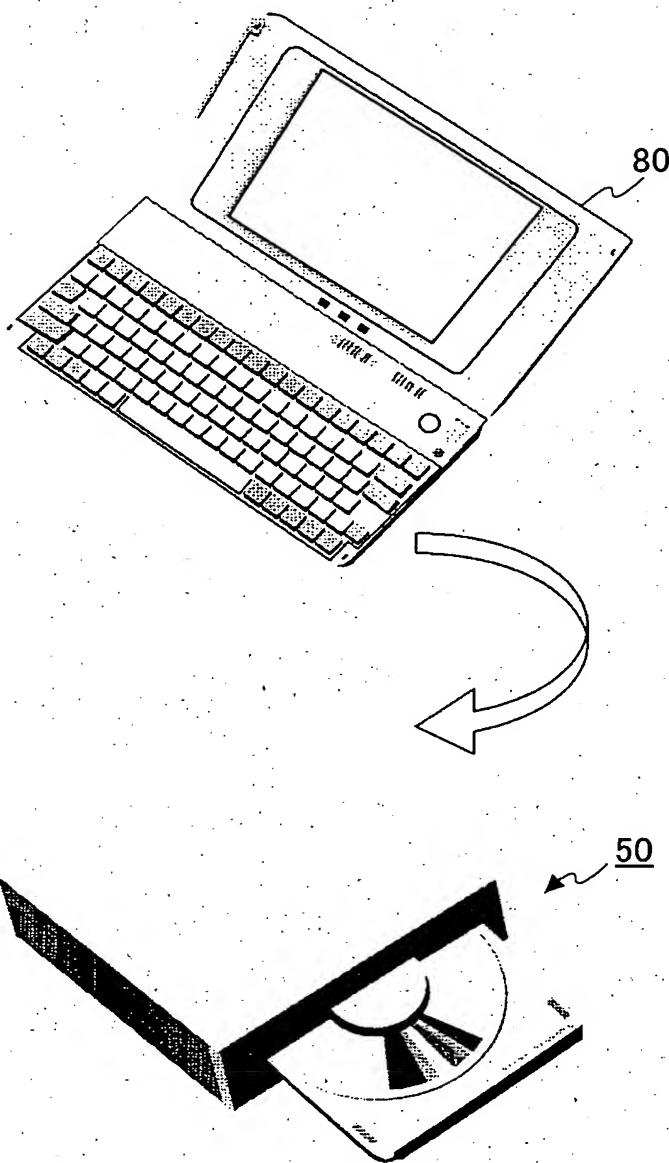


FIG.25

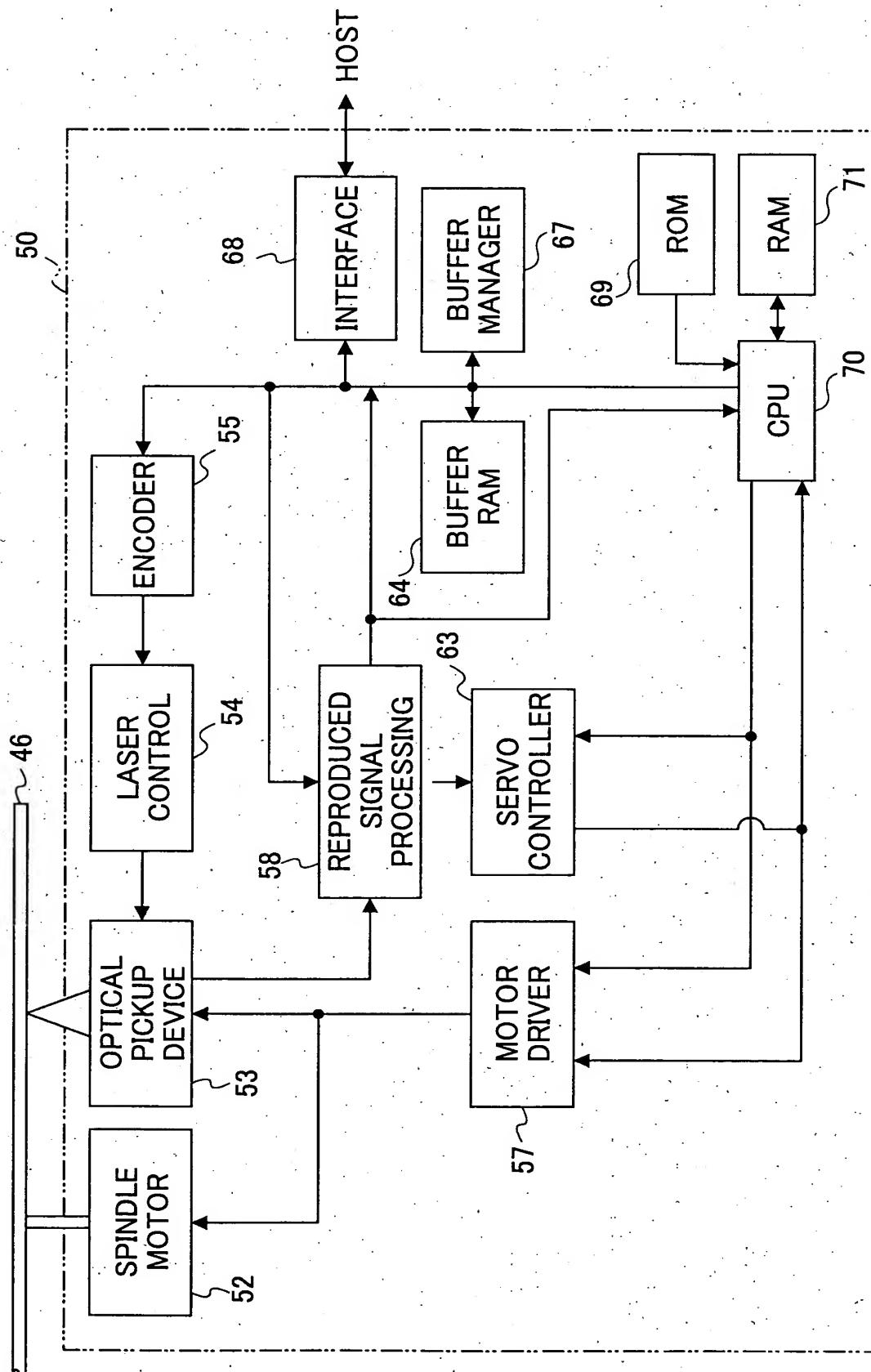


FIG.26

PLUS FIRST ORDER DIFFRACTION EFFICIENCY
FOR DIFFERENT PITCHES

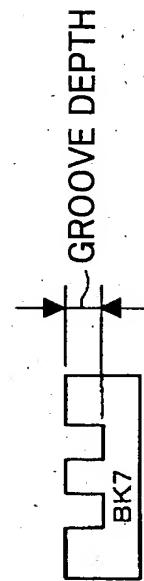
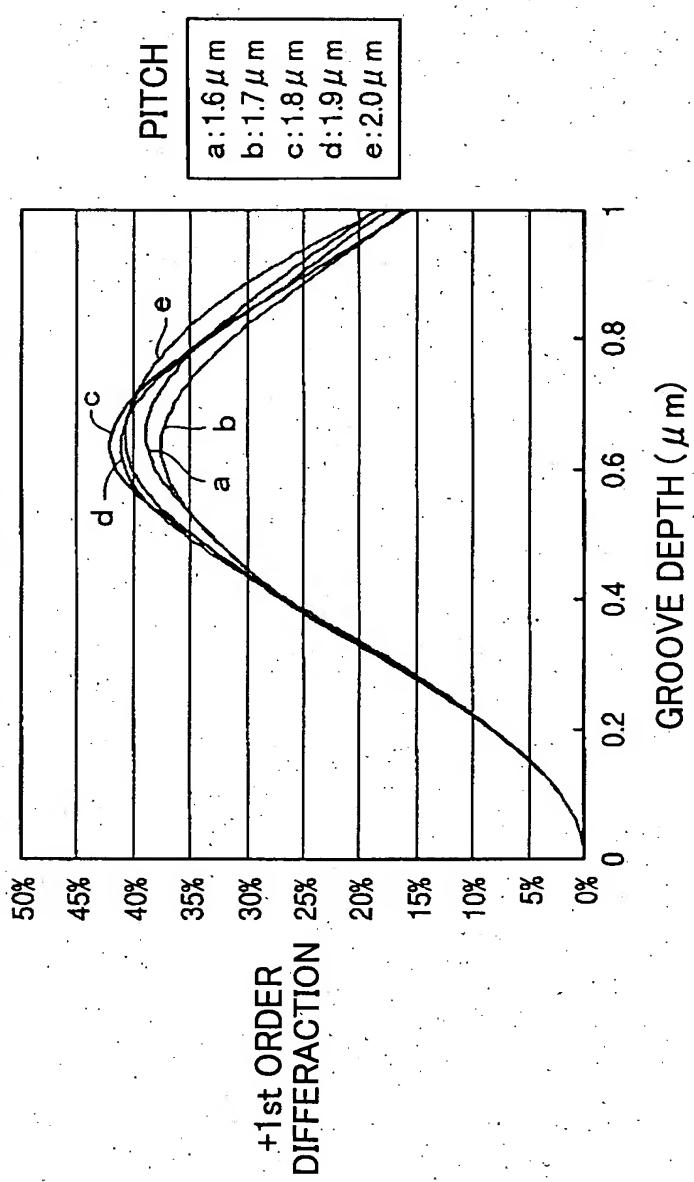


FIG.27

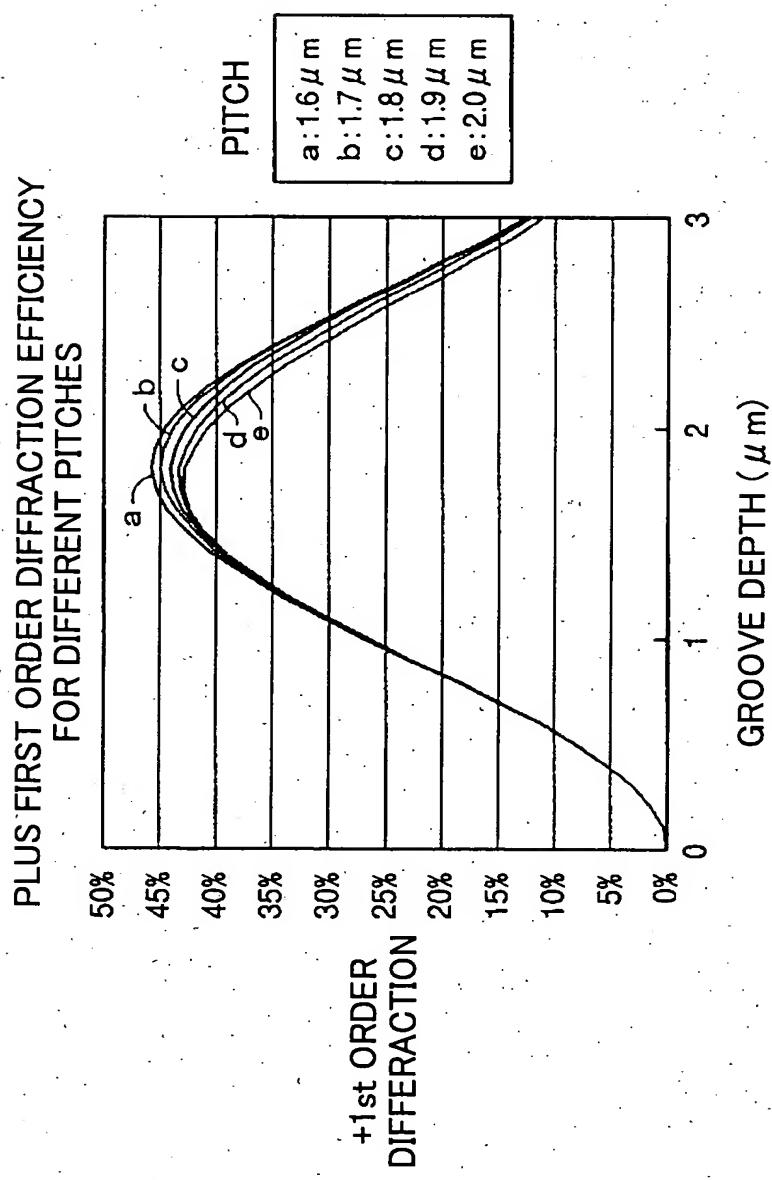


FIG.28

PLUS FIRST ORDER DIFFRACTION EFFICIENCY
FOR DIFFERENT PITCHES

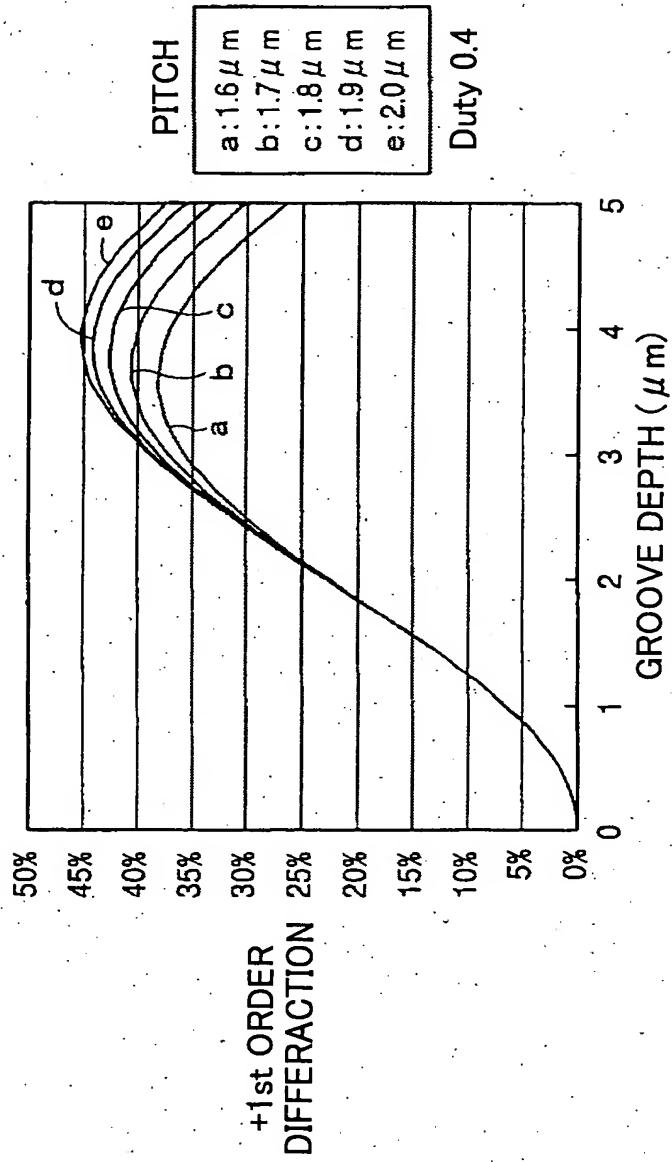


FIG.29

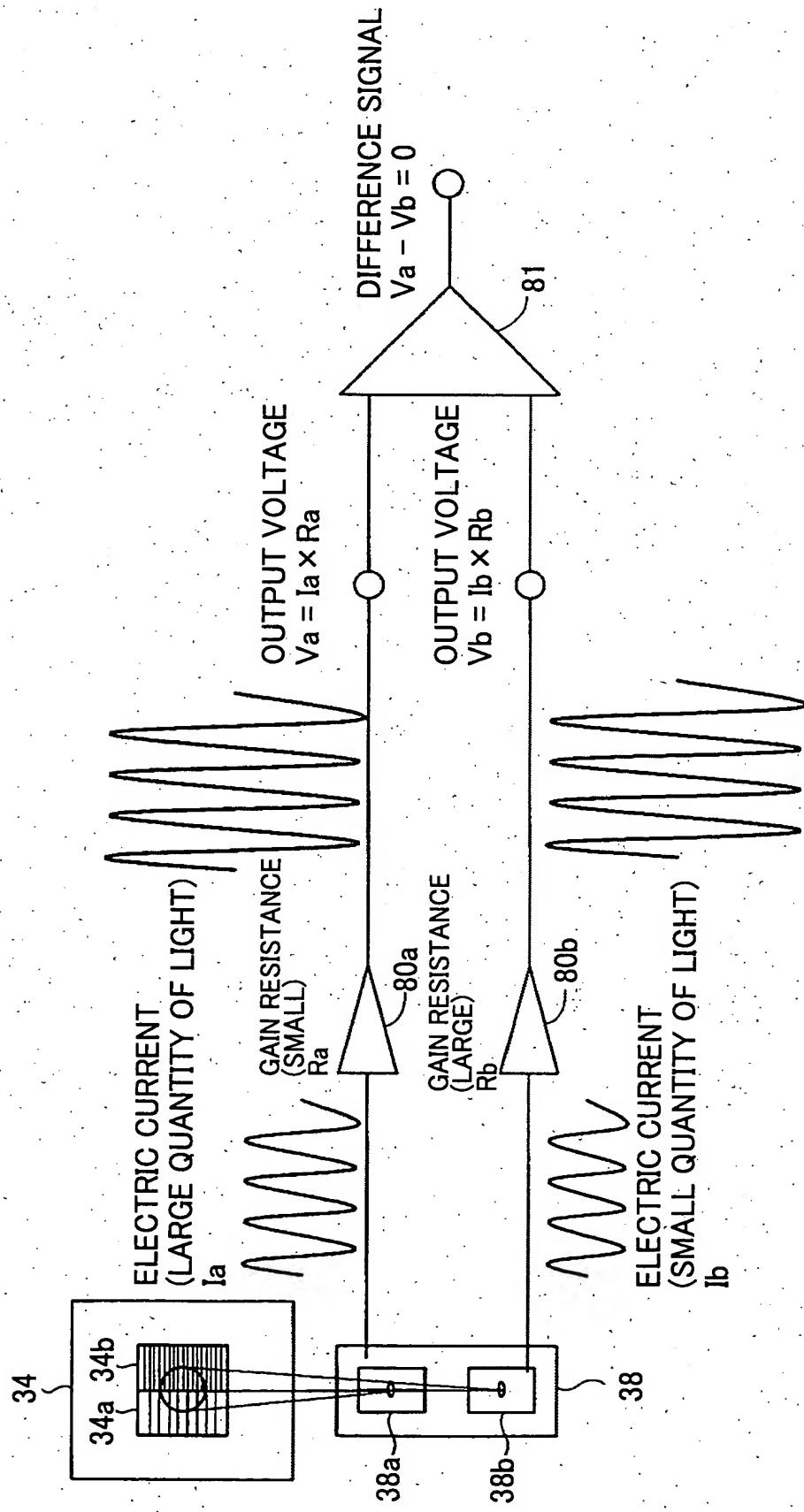


FIG.30

